

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number  
**WO 03/104537 A1**

(51) International Patent Classification<sup>7</sup>: D03D 1/00, 15/00

(21) International Application Number: PCT/CA03/00895

(22) International Filing Date: 11 June 2003 (11.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2,390,280 11 June 2002 (11.06.2002) CA

(71) Applicant (for all designated States except US): INTER-  
WRAP INC. [CA/CA]; 32923 Mission Way, Mission,  
British Columbia V2V 6B4 (CA).

(72) Inventor; and

(75) Inventor/Applicant (for US only): RASHED, Mohamed,  
Abdel, Aziz [CA/CA]; 36328 Sandringham Drive, Abbots-  
ford, British Columbia V3G 2M5 (CA).

(74) Agents: MCGRUDER, David, J. et al.; Oyen Wiggs  
Green & Mutala, 480 - The Station, 601 West Cordova  
Street, Vancouver, British Columbia V6B 1G1 (CA).

(81) Designated States (*national*): AE, AG, AL, AM, AT (util-  
ity model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,  
CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (util-  
ity model), DE, DK (utility model), DK, DM, DZ, EC, EE  
(utility model), EE, ES, FI (utility model), FI, GB, GD, GE,  
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,  
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU,  
SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

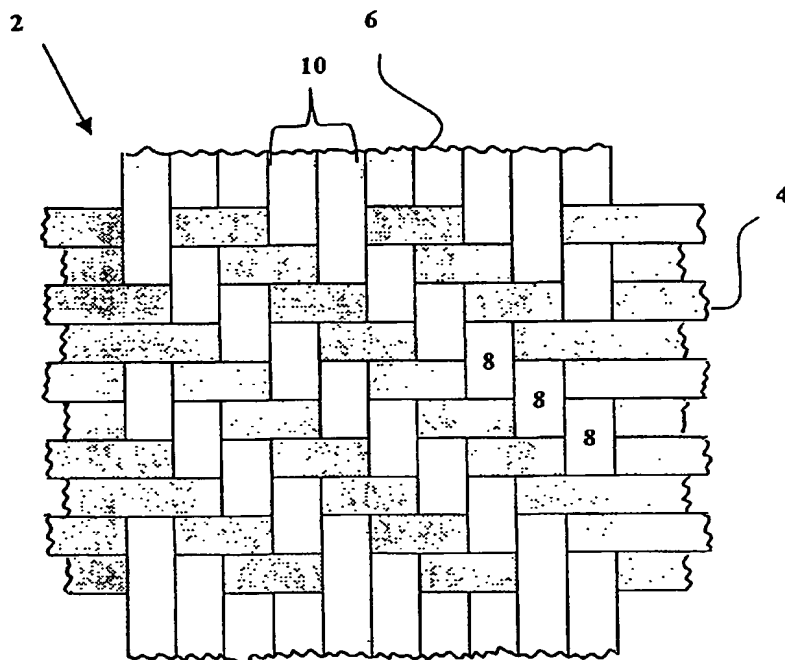
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: SCRIM MADE OF TWILL-WOVEN THERMOPLASTIC TAPES



(57) **Abstract:** An industrial-strength scrim is made of thermoplastic tapes woven together in a twill weave, in which the weft tapes cross over at least two successive warp tapes and under at least one successive warp tape, in a repeating pattern. Such weave permits more tapes per inch to be accommodated in the scrim than for a plain weave, producing a scrim having greater mechanical strength, less cramming and folding of tapes and a smoother surface with fewer voids, suitable for coating.